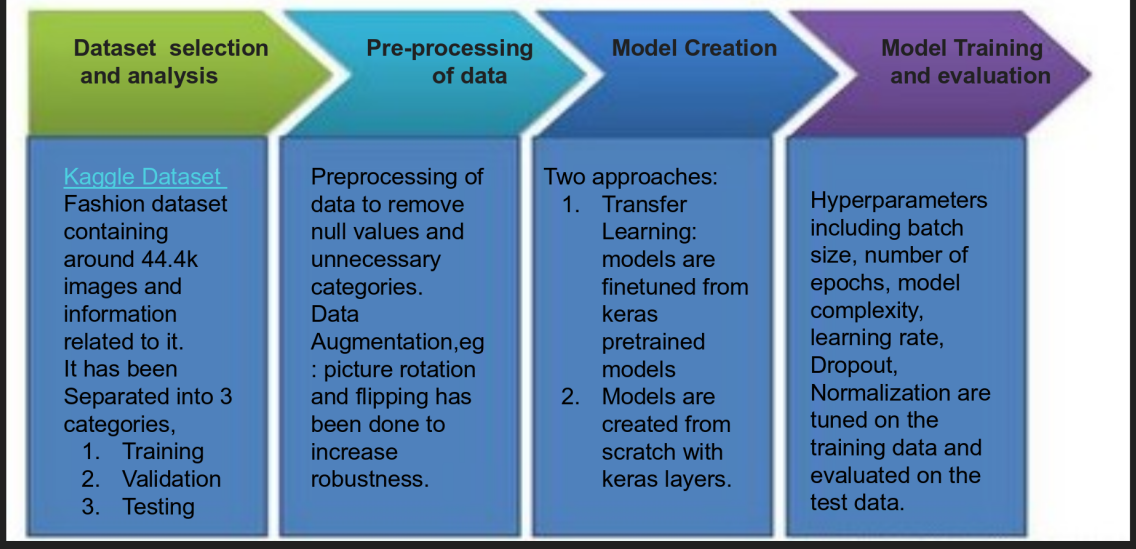
Deep Learning Model Flowchart



Deep Learning Models:

Sub-Category	• 12 layered keras model created from scratch • 93.03% test accuracy
Topwear Article Type	• 12 layered keras model created from scratch • 83.07% test accuracy
Gender	• 12 layered keras model created from scratch • 91.04% test accuracy
Article Type	• Transfer Learning using MobileNetV2 • 85.84% test accuracy

SubCategory and Usage	Article Type	Color	Gender
23 categories "Topwear" "Bags" "Belts" "Bottomwear" "Dress" "Eyewear" "Flip Flops" "Fragrance" "Free Gifts" "Headwear" "Innerwear" "Jewellery", "Loungewear and Nightwear" "Mufflers" "Sandal" "Saree" "Shoes""Socks""Ties" "Topwear" "Wallets" "Watches"	67 categories Jeans', 'Watches', 'Track Pants', 'Socks', 'Casual Shoes','Belts', 'Flip Flops', 'Handbags', 'Sandals', 'Shoe Accessories', 'Deodorant', 'Formal Shoes', 'Bracelet','Flats', 'Kurtas', 'Sports Shoes', 'Shorts', 'Briefs', 'Sarees', 'Heels', 'Sunglasses', 'Innerwear Vests','Pendant', 'Laptop Bag', 'Night suits', 'Skirts', 'Ring','Kurta Sets', 'Clutches', 'Backpacks', etc	Not done with a machine learning algorithm. Done with python libraries including colorthief and webcolors which pick out the dominant colors in the image.	5 gender categories: "Boys" "Girls" "Men" "Unisex" "Women" Usage: Only shown for sportswear